

QSil 7760 Addition Cure Silicone Elastomer

PRODUCT DESCRIPTION

QSil 7760 is a two-component, 100 % silicone solids elastomer designed specifically as a roller material. This system offers a hard, thermally conductive, low modulus material that has excellent physical properties and compression set less than 10 % when post-cured.

KEY FEATURES

- 100 % solids, no solvents
- Excellent thermal conductivity
- Compression set less than 10 % when post-cured

TYPICAL PROPERTIES

UNCATALYZED		
TEST	QSil 7760 A	QSil 7760 B
Appearance	Black	Black
Viscosity	120,000 cps	120,000 cps
Specific Gravity	1.56	1.56



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CATALYZED	
MIX RATIO 1:1	
TEST	RESULT
Gel time @ 25°C *	> 24 hours

* Gel time is defined as the time required for the material to become a solid or semi-solid.

CURED PROPERTIES	
30 minutes @ 150°C, post cure 4H @ 200°C	
TEST	RESULT
Durometer, Shore A	60
Tensile	600 psi
Elongation	100 %
Tear B	40 ppi
Compression Set (22H/180C)	< 10 %

ADDITIONAL PROPERTIES	
Thermal conductivity	0.70 W/m-K
Useful temperature range	- 55°C – 204°C

MIXING

Combine equal parts of QSi 7760 A and QSi 7760 B by weight into a clean, compatible container and mix by hand or with mixing equipment until a uniform consistency is observed. The material should have a uniform color with no visible striations. Use caution when mixing to minimize air entrapment.

DE-AERATION

Air trapped during mixing should be removed by vacuum at 29 inches of mercury. During the process, the material will expand, and intermittent evacuation may be required. Typically, after releasing the vacuum 2 - 3 times, the mass will collapse on itself at which time the vacuum should be left on for an additional 2 - 4 minutes. Machine mixing does not require de-aeration.

STORAGE AND SHELF LIFE

This product is best when used within 24 months from date of manufacture. See product label and/or CoA for specific "Use By Date".

Product should be stored in its original, unopened container in an environment that does not exceed 38°C (100°F).

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, the properties required for the intended use should be checked for quality assurance reasons.

DISCLAIMER

The technical data listed is provided for reference only and is not intended as product specifications. QSi has the capability to customize products as requested. For sales and technical assistance please contact customer service at **(804) 271-9010** or **1-800-852-3147**.

Please be sure to visit our website daily for our complete product portfolio, new product introductions and more:

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